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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/506,431	09/02/2004	Seung Myun Back	7950.032.00-US	1279
30827 7590 04/11/2007 MCKENNA LONG & ALDRIDGE LLP 1900 K STREET, NW WASHINGTON, DC 20006			EXAMINER CHEN, YAN LU	
			ART UNIT 2109	PAPER NUMBER
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		04/11/2007	PAPER	

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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<b>Office Action Summary</b>	<b>Application No.</b> 10/506,431	<b>Applicant(s)</b> BAEK ET AL.	
	<b>Examiner</b> Yan Chen	<b>Art Unit</b> 2109	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 06 January 2007 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                                | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                       | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____.  |

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by EP 0 120 640 A2 (hereinafter EP '640).

For claim 1, EP '640 teaches:

A method for identifying multiple home networks each having a plurality of home appliances (page 4, lines 20-21: number of electrical appliances. See figure 1, elements 6, 7 and 9) connected to respective adapters (page 4, lines 22-23: each appliance has an associated interface unit. Figure 1, element 6') and a network controller (page 4, line 24. Figure 1, element 12), and at least two home networks share one communication line (page 4, line 17: electrical main supply. Figure 1, element 1), the method comprising the steps of: setting a house code to each of adapters (house code for each of the adapters are taught in page 5, lines 11-12 as code of the house and code of the device) to the home appliances for identifying home networks; receiving a packet (page 4 line 25: control signals) including the house code (page 5, lines 1-14: the house code and device code are element of the control signal stream) on the communication line at the adapters (pages 5-6: signal received at the interface/detector), and comparing a preset house code to the house code included in the packet (pages 5-6: microprocessor

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in the interface act as a detector and decode the signals and a comparison is made between the signal's house code); and one of the adapters understanding that the packet is directed to the one of the adapters if the two house codes are in conformity as a result of the comparison, and transferring the packet to one of the home appliances connected thereto (page 6, lines 16-27: if the codes correspond then the microprocessor in the interface will take appropriate action for the intend appliance to perform the requested task).

For claim 4,

A method as claimed in claim 1, further comprising the step of the adapters disregarding the received packet if the two house codes are not in conformity as the result of comparison (page 5, lines 24-27: if the detector does not find any code element with the expected permutation/code then the signal are not accepted, i.e. disregarded).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claim 2-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over EP '640 as applied to claim 1 above, and further in view of Mostafa et al. (US 5949779).

For claim 2,

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EP '640 teaches setting of house code for the adapter (page 5, lines 11-12). EP '640 also teaches that the master controller (abstract: i.e. house control managing site) that connects all of the house network controller and have the functionality of managing and generating the house code for individual connected houses (page 7, lines 6-12).

EP'640 differ from the claim invention in that the setting of the house code is not by providing the serial number of the adapter to the network controller, nor specify the details description of the master controller; particularly that it is located on the Internet.

Mostafa et al. teaches the step of setting a house code having the step of; putting a house code setting program (abstract: Consumer Electronic Bus (CEBus) network protocol) into operation in the network controller (network controller is taught in the abstract as CEBus network. See figure 3, element 330), providing a serial number of the adapter (adapter is taught column 3, line 29-45 as being utility-managed settable nodes (UMSN) or CEBus node. The serial number of the adapter is taught in column 7 lines 60-62 as a device address or MAC address) and making access to a house code managing site on the Internet (column 5, lines 22-33) in the program (CEBus network communicates with utility server controller (UHMN) via Internet protocols for house code is taught in the abstract and columns 5, 7-8), receiving an own house code assigned from the house code managing site and transferring to a relevant adapter (column 8, lines 45-58: the CEBUS network/network controller receives a unique address/house code and assigned to the respective UMSN/adapter), and the adapter storing the house code to a relevant memory region (column 7, lines 54-57: CEBus node/adapter acquires a house code and stored in a memory).

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It would have been obvious to one of ordinary skill in the art at the time the invention was made to have used EP '640's data distribution network to incorporate the network controller of Mostafa et al. to obtain a house code for the adapter from a centralized server over the internet, since the centralized server is accessible by the individual home network and the server can also maintain the distribution of house codes to each individual devices to guarantee consistency and ID uniqueness. Providing the network controller with the adapter's serial number (MAC address) in the system of EP '640, as modified above to obtain house code for the adapter from a centralized server, would have been obvious to one of ordinary skill in the art at the time the invention was made, because Mostafa et al. teach that associating a house code with the adapter's MAC address creates the ease of identification of the house code to the related adapter.

For claim 3,

EP '640 teaches the limitations of claim 2 for the reasons above.

EP '640 differs from the claimed invention in that it did not indicate the serial number of the adapter are provided to the network controller and that the network controller access the internet.

Mostafa et al. teaches the step of providing a serial number of the adapter (serial number of the adapter is taught in column 7 lines 60-62 as a device/MAC address) and making access to a house code managing site on the Internet in the program includes the step of making an automatic access to the house code managing site once the

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serial number for the adapter is provided (CEBus network communicates with UMSN using the software that handles CEBus network protocol for house code are taught in the Abstract and columns 7-9. Requests for house number using protocol implies that the requests are automatically perform by the protocol software).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to have the program (Internet protocol software) automatically access the house code managing site (i.e. centralized server) once the serial number has been provided in the system of EP' 640, as modified in claim 2, since Mostafa et al. teaches that communication between the centralized server and the network controller are through Internet protocols and using Internet protocols in EP '640 to request house code is efficient and guarantee the maintenance of consistency since human error are eliminated.

### ***Conclusion***

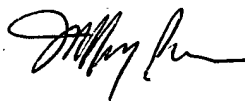
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yan Chen whose telephone number is (571) 270-1926. The examiner can normally be reached on Monday through Friday 7:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeff Pwu can be reached on (571) 272-6798. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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JEFFREY PWU  
PRIMARY EXAMINER